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PTO/SB/21 (09-04)  
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## TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

13

Application Number

10/509,501

Filing Date

September 28, 2004

First Named Inventor

HANSE

Art Unit

1725

Examiner Name

LIN, Ing Hour

Attorney Docket Number

1396 US/PCT

### ENCLOSURES (Check all that apply)

☐

Fee Transmittal Form

☐

Fee Attached

☒

Amendment/Reply

☒

After Final

☐

Affidavits/declaration(s)

☐

Extension of Time Request

☐

Express Abandonment Request

☐

Information Disclosure Statement

☐

Certified Copy of Priority Document(s)

☐

Reply to Missing Parts/  
Incomplete Application

☐

Reply to Missing Parts  
under 37 CFR 1.52 or 1.53

☐

Drawing(s)

☐

Licensing-related Papers

☐

Petition

☐

Petition to Convert to a  
Provisional Application  
Power of Attorney, Revocation  
Change of Correspondence Address

☐

Terminal Disclaimer

☐

Request for Refund

☐

CD, Number of CD(s) \_\_\_\_\_

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Landscape Table on CD

Remarks

☐

After Allowance Communication to TC

☐

Appeal Communication to Board  
of Appeals and Interferences

☐

Appeal Communication to TC  
(Appeal Notice, Brief, Reply Brief)

☐

Proprietary Information

☐

Status Letter

☒

Other Enclosure(s) (please identify  
below):

- Return Receipt Postcard

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name

Vesuvius USA

Signature

Printed name

Robert S. Klemz, Jr.

Date

April 28, 2004

Reg. No.

46,305

### CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature

Typed or printed name

Thomas C. Dunford

Date

APRIL 28, 2006

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of	)	HANSE, et al.
	)	
Title	)	THERMAL SHOCK RESISTANT
	)	CASTING ELEMENT AND
	)	MANUFACTURING PROCESS THEREOF
	)	
Serial Number	)	10/509,501
	)	
Filing Date	)	September 28, 2004
	)	
Art Unit	)	1725
	)	
Examiner	)	Lin, Ing Hour
	)	
Attorney Docket No.	)	1396

**RESPONSE TO OFFICE ACTION PURSUANT TO 37 C.F.R. §1.111**

To: Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Applicants hereby respond to the Final Office Action mailed on March 1, 2006 setting a shortened statutory period of response of three months, thus bringing the deadline for response to June 1, 2006. The Director is authorized to charge all necessary fees to Deposit Account No. 220281.

In response to the Office Action mailed March 1, 2006, please consider the following remarks regarding the currently rejected claims.